

CLAIMS

1. Method of determining a magnification factor in a radiography device (1) of the type comprising an X-ray source (3) and recording means (2) placed facing the said source, the said source (3) and the said recording means (2) being mounted so as to rotate about at least one axis with respect to a support on which an object (4) to be X-rayed is intended to be positioned, the method comprising the steps of:
 - acquiring at least two images (I_1 , I_2) corresponding to two different angular positions of the source and of the recording means with respect to the support;
 - identifying on these images (I_1 , I_2) projections (P' , P'') of at least one point (P) of the X-rayed object (4); and
 - determining the magnification factor of at least one of the images, first, as a function of the angular displacement of the source and of the recording means between the acquisitions of the images in question and, secondly, as a function of the positions on these images of the identified projections.
2. Method according to Claim 1, characterized in that at least two images on which an identification is carried out for the purpose of determining a magnification factor are acquired for angular positions separated by an angle greater than 15° .
3. Method according to Claim 2, characterized in that at least two images on which an identification is carried out for the purpose of determining a magnification factor are acquired for angular positions separated by an angle greater than 20° .

4. Method according to one of Claims 1 to 3, characterized in that, during an acquisition step, a plurality of images is acquired between a first and a second angular position.
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5. Method according to Claim 4, characterized in that the identification of the projections implements automatic tracking of at least one point of the object (4) from one image to another, on the
10 plurality of images acquired.
6. Method according to Claim 5, characterized in that the automatic tracking implements monitoring by means of a similarity criterion of at least one
15 region of the object.
7. Method according to Claim 6, characterized in that the similarity criterion is a correlation
20 criterion.
8. Method according to Claim 5, characterized in that the automatic tracking implements monitoring of at least one segment that is identified on the
25 images.
9. X-ray radiography device, comprising an X-ray source (3) and recording means (2) placed facing the said source, the said source (3) and the said recording means (2) being mounted so as to rotate
30 about at least one axis with respect to a support on which an object (4) to be X-rayed is intended to be positioned, characterized in that it comprises means capable of processing the images acquired by implementing the method according to
35 one of the preceding claims.
10. Method of acquiring vascular radiographic images by means of a radiography device (1) of the type comprising an X-ray source (3) and recording means

5 (2) placed facing the said source, the said source
(3) and the said recording means (2) being mounted
so as to rotate about at least one axis with
respect to a support on which an object (4) to be
X-rayed is intended to be positioned,
characterized in that a magnification factor is
determined by implementing a method according to
one of Claims 1 to 8.